AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1	1. (Currently amended) A method that facilitates dynamic delivery of
2	service profiles to a client, comprising:
3	performing a discovery operation to allow the client to discover new
4	services on a network;
5	if a new service is discovered for which the client does not possess a
6	service profile for the new service, causing the client to obtain the service profile
7	from the new service;
8	wherein causing the client to obtain the service profile involves:
9	causing the client to send a request for the service profile to the
10	new service, wherein the request includes type information identifying the
11	type of device platform of the client; and
12	causing the new service to select the service profile based on the
13	received type information; and
14	causing the service profile to be installed on the client to enable the client
15	to use the new service,
16	wherein the service profile includes a specification that describes how to
17	use the new service, and wherein causing the service profile to be installed on the
18	client involves,
19	causing device-specific code to be generated to implement the
20	specification, and
21	causing the code to be installed on the client.

1	2. (Original) The method of claim 1, wherein causing the client to		
2	obtain the service profile involves:		
3	causing the client to send a request for the service profile to the new		
4	service; and		
5	causing the client to receive the service profile from the new service.		
1	3. (Original) The method of claim 1, wherein the service profile		
2	includes code, and wherein causing the service profile to be installed on the client		
3	involves causing the code to be installed on the client.		
1	4. (Cancelled)		
1	5. (Original) The method of claim 1, wherein the service profile is		
2	encoded in a universal form that can be executed by different types of clients.		
1	6. (Original) The method of claim 1,		
2	wherein there exist different service profile implementations for different		
3	types of clients; and		
4	wherein causing the client to obtain the service profile involves,		
5	communicating characteristics of the client to the new		
6	service,		
7	allowing the new service to select a service profile		
8	implementation for the client based on the characteristics of the		
9	client, and		
10	allowing the new service to send the selected service profile		
11	implementation to the client.		

l	7. (Original) The method of claim 1, wherein causing the client to
2	obtain the service profile from the new service involves executing a dynamic
3	extension profile, which implements a standard protocol that enables the client to
ļ	acquire any profile the client needs at the time the profile is needed.

1 8. (Original) The method of claim 1,

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- wherein performing the discovery operation involves using the Bluetooth
 Service Discovery Protocol (SDP); and
- wherein the client and the new service communicate using the Bluetooth
 networking standard.
- (Original) The method of claim 1, wherein the service profile can
 define a service-specific Application Programming Interface (API).
 - (Original) The method of claim 1, wherein the service profile implements a domain-specific protocol stack associated with the new service.
- 1 11. (Currently amended) A computer-readable storage medium storing
 instructions that when executed by a computer cause the computer to perform a
 method that facilitates dynamic delivery of service profiles to a client, the method
 comprising:
- 5 performing a discovery operation to allow the client to discover new
 6 services on a network:
- if a new service is discovered for which the client does not possess a

 service profile for the new service, causing the client to obtain the service profile

 from the new service;
- 10 wherein causing the client to obtain the service profile involves:

1	causing the client to send a request for the service profile to the		
2	new service, wherein the request includes type information identifying the		
3	type of device platform of the client; and		
4	causing the new service to select the service profile based on the		
5	received type information; and		
6	causing the service profile to be installed on the client to enable the clien		
7	to use the new service,		
8	wherein the service profile includes a specification that describes how to		
9	use the new service, and wherein causing the service profile to be installed on the		
0	client involves,		
1	causing device-specific code to be generated to implement the		
2	specification, and		
3	causing the code to be installed on the client.		
1	12. (Original) The computer-readable storage medium of claim 11,		
2	wherein causing the client to obtain the service profile involves:		
3	causing the client to send a request for the service profile to the new		
4	service; and		
5	causing the client to receive the service profile from the new service.		
1	13. (Original) The computer-readable storage medium of claim 11,		
2	wherein the service profile includes code, and wherein causing the service profile		
3	to be installed on the client involves causing the code to be installed on the client.		
1	14. (Cancelled)		

1	15. (Original) The computer-readable storage medium of claim 11,		
2	wherein the service profile is encoded in a universal form that can be executed by		
3	different types of clients.		
1	16. (Original) The computer-readable storage medium of claim 11,		
2	wherein there exist different service profile implementations for different		
3	types of clients; and		
4	wherein causing the client to obtain the service profile involves,		
5	communicating characteristics of the client to the new		
6	service,		
7	allowing the new service to select a service profile		
8	implementation for the client based on the characteristics of the		
9	client, and		
10	allowing the new service to send the selected service profile		
11	implementation to the client.		
1	17. (Original) The computer-readable storage medium of claim 11,		
2	wherein causing the client to obtain the service profile from the new service		
3	involves executing a dynamic extension profile, which implements a standard		
4	protocol that enables the client to acquire any profile the client needs at the time		
5	the profile is needed.		
1	18. (Original) The computer-readable storage medium of claim 11,		
2	wherein performing the discovery operation involves using the Bluetooth		
3	Service Discovery Protocol (SDP); and		
4	wherein the client and the new service communicate using the Bluetooth		
5	networking standard.		

1	19. (Original) The computer-readable storage medium of claim 11,			
2	wherein the service profile can define a service-specific Application Programming			
3	Interface (API).			
1	20. (Original) The computer-readable storage medium of claim 11,			
2	wherein the service profile implements a domain-specific protocol stack			
3	associated with the new service.			
1	21. (Currently amended) An apparatus that facilitates dynamic delivery			
2	of service profiles to a client, comprising:			
3	a discovery mechanism configured to perform a discovery operation that			
4	allows the client to discover new services on a network;			
5	a profile transfer mechanism, wherein if a new service is discovered for			
6	which the client does not possess a service profile for the new service, the profile			
7	transfer mechanism is configured to cause the service profile to be transferred			
8	from the new service to the client;			
9	wherein causing the client to obtain the service profile involves:			
0	causing the client to send a request for the service profile to the			
1	new service, wherein the request includes type information identifying the			
2	type of device platform of the client; and			
3	causing the new service to select the service profile based on the			
4	received type information; and			
5	an installation mechanism configured to cause the service profile to be			
6	installed on the client to enable the client to use the new service,			
7	wherein the service profile includes a specification that describes how to			
8	use the new service, and wherein the installation mechanism is configured to,			
9	cause device-specific code to be generated to implement the			
0	specification, and			

1	22.	(Original) The apparatus of claim 21, wherein the profile transfer	
2	mechanism is configured to:		
3	cause the client to send a request for the service profile to the new service;		
4	and to		
5	cause t	he client to receive the service profile from the new service.	
1	23.	(Original) The apparatus of claim 21, wherein the service profile	
2	includes code, and wherein the installation mechanism is configured to cause the		
3	code to be installed on the client.		
1	24.	(Cancelled)	
1	25.	(Original) The apparatus of claim 21, wherein the service profile is	
2	encoded in a universal form that can be executed by different types of clients.		
1	26.	(Original) The apparatus of claim 21,	
2	wherei	n there exist different service profile implementations for different	
3	types of clients	s; and	
4	wherei	n the profile transfer mechanism is configured to,	
5		communicate characteristics of the client to the new	
6		service,	
7		allow the new service to select a service profile	
8		implementation for the client based on the characteristics of the	
9		client, and to	
10		allow the new service to send the selected service profile	
11		implementation to the client.	

- 1 27. (Original) The apparatus of claim 21, wherein the profile transfer
 2 mechanism is configured to execute a dynamic extension profile, which
 3 implements a standard protocol that enables the client to acquire any profile the
 4 client needs at the time the profile is needed.
- 1 28. (Original) The apparatus of claim 21,
 2 wherein the discovery mechanism uses the Bluetooth Service Discovery
 3 Protocol (SDP); and
 4 wherein the client and the new service communicate using the Bluetooth
 5 networking standard.
 - (Original) The apparatus of claim 21, wherein the service profile can define a service-specific Application Programming Interface (API).
- 1 30. (Original) The apparatus of claim 21, wherein the service profile implements a domain-specific protocol stack associated with the new service.
 - 31. (Currently amended) A device configured to dynamically deliver a service profile to a client to enable the client to use a service provided by the device, comprising:
- 4 the device configured to provide the service;

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- 5 a memory within the device containing the service profile that enables 6 clients to use the service provided by the device;
- a service profile obtaining mechanism configured to cause the client to
 obtain the service profile by:

9	causing the client to send a request for the service profile to the		
0	new service, wherein the request includes type information identifying the		
1	type of device platform of the client; and		
2	causing the new service to select the service profile based on the		
3	received type information; and		
4	a profile transfer mechanism configured to transfer the service profile to		
5	the client on demand,		
6	wherein the service profile includes a specification that describes how to		
7	use the new service, and wherein causing the service profile to be installed on the		
8	client involves,		
9	causing device-specific code to be generated to implement the		
0	specification, and		
1	causing the code to be installed on the client.		
1	32. (Original) The device of claim 31, further comprising a discovery		
2	mechanism configured to perform a discovery operation that allows devices to		
3	discover each other.		